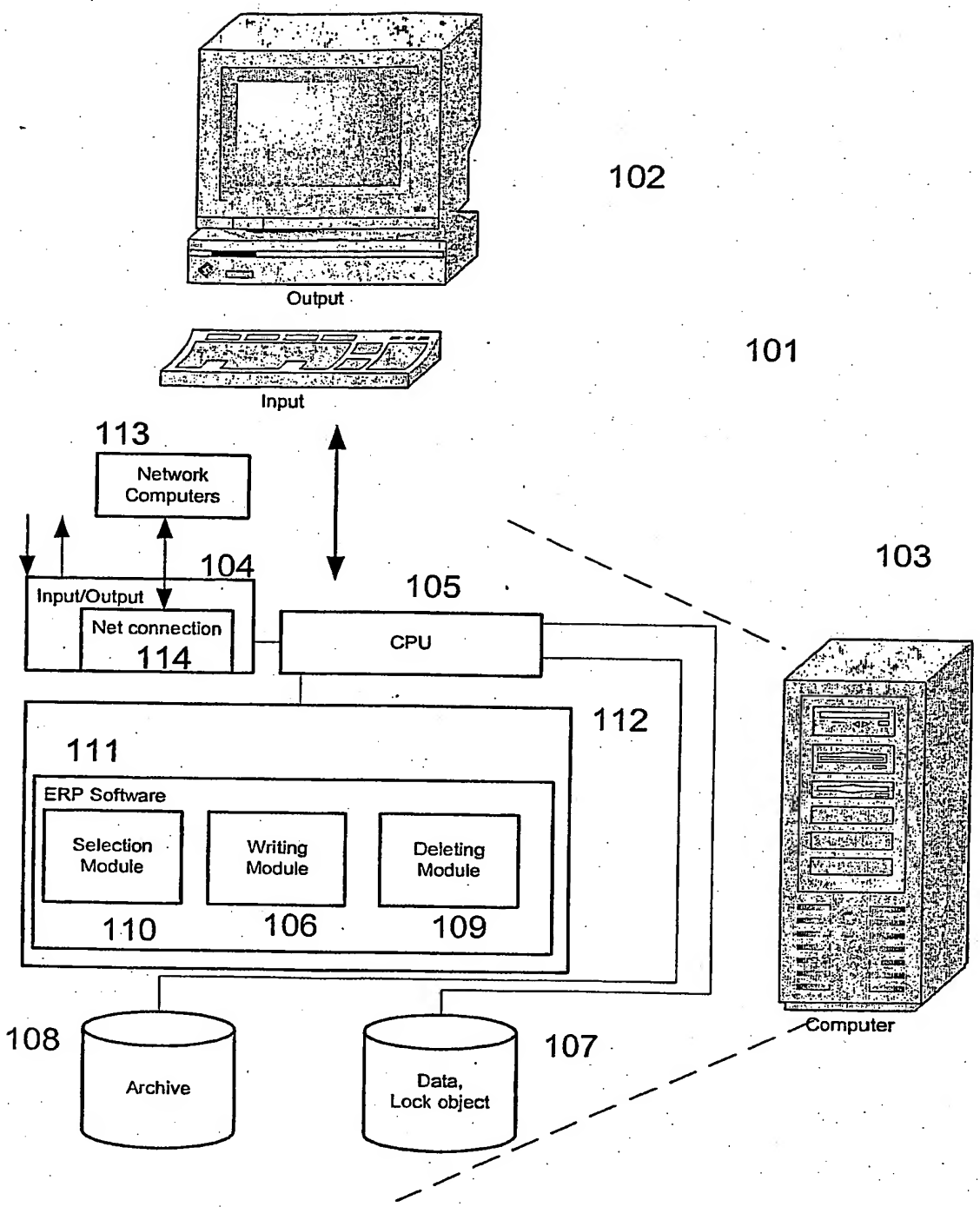

Fig. 1

BEST AVAILABLE COPY

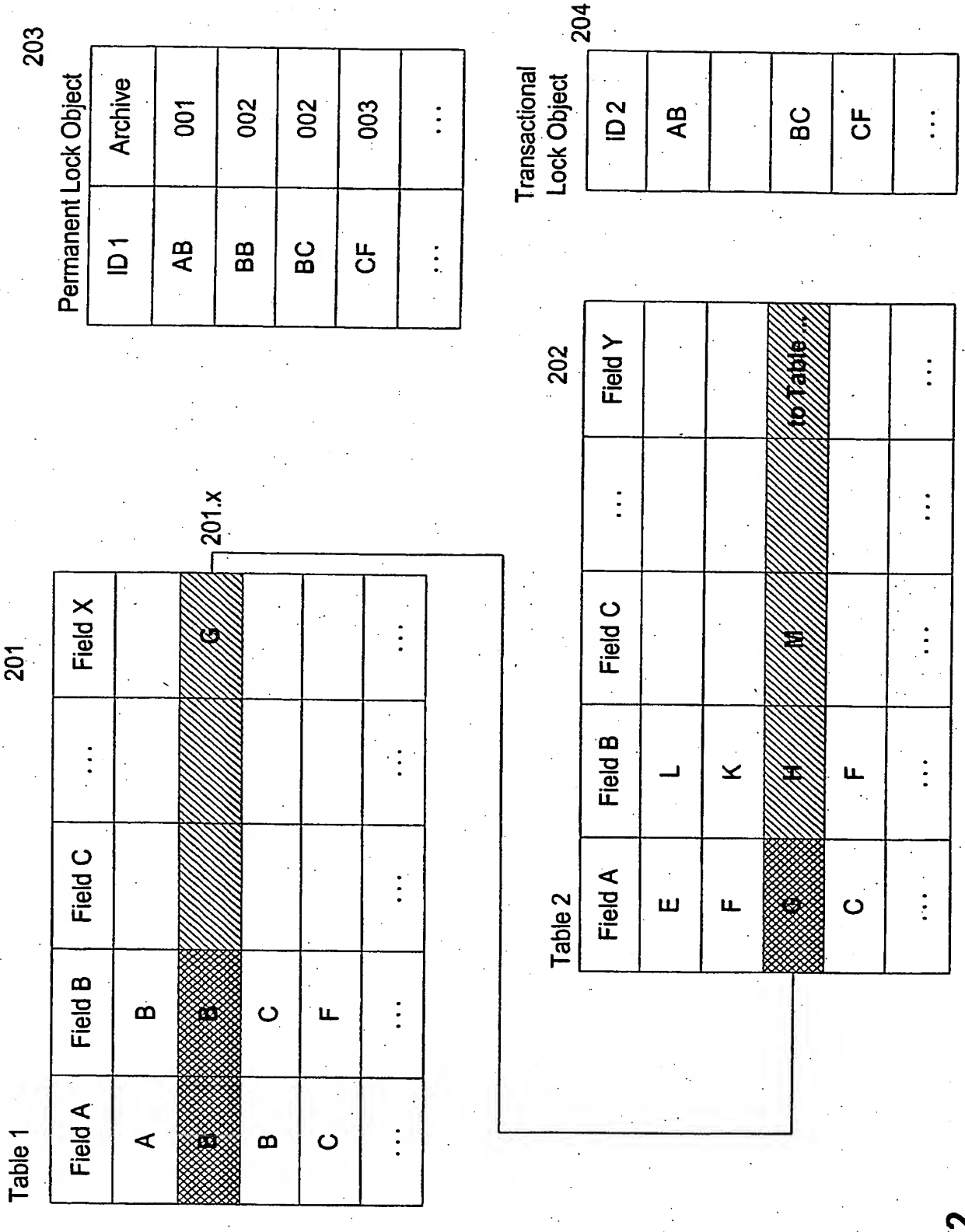
203
Permanent Lock Object
ID 1
AB
BB
BC
CF
...
Archive
001
002
002
003
...
204
Transactional Lock Object
ID 2
AB
BC
CF
...
201
Table 1
Field A
Field B
Field C
...
Field X
201.x
202
Table 2
Field A
Field B
Field C
...
Field Y
to Table ...

Fig. 2

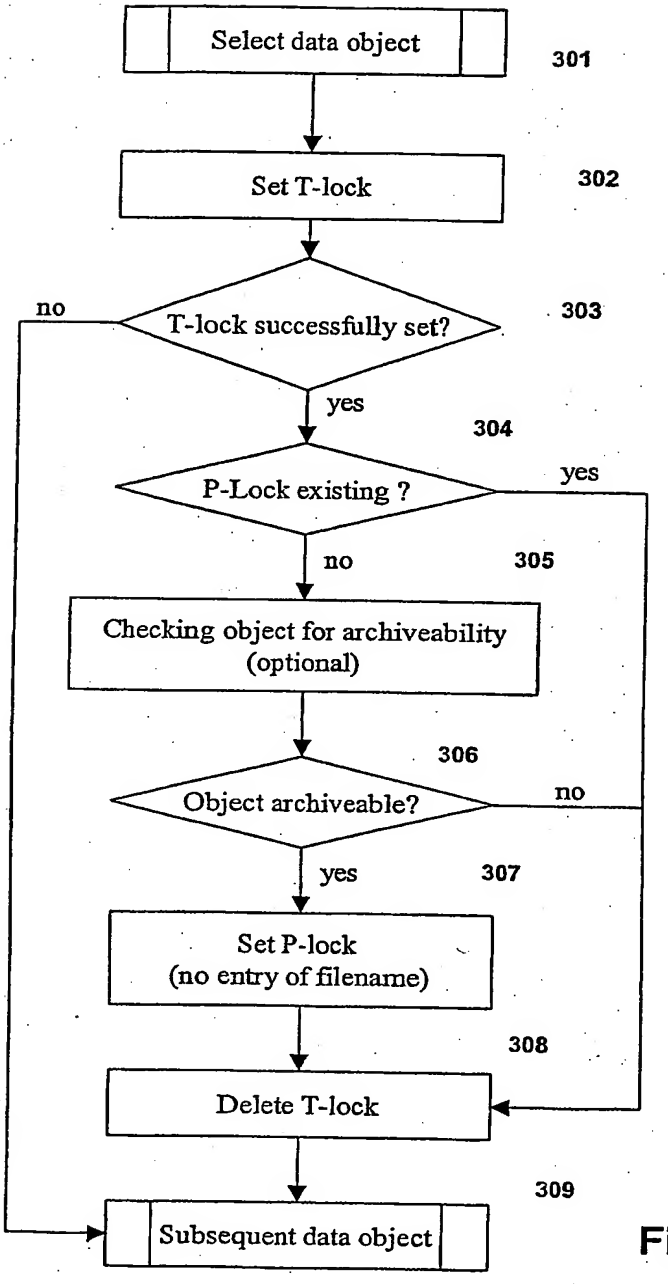
Select data object
301
Set T-lock
302
T-lock successfully set?
303
no
yes
304
P-Lock existing ?
yes
no
305
Checking object for archiveability (optional)
306
Object archiveable?
no
yes
307
Set P-lock (no entry of filename)
308
Delete T-lock
309
Subsequent data object

Fig. 3

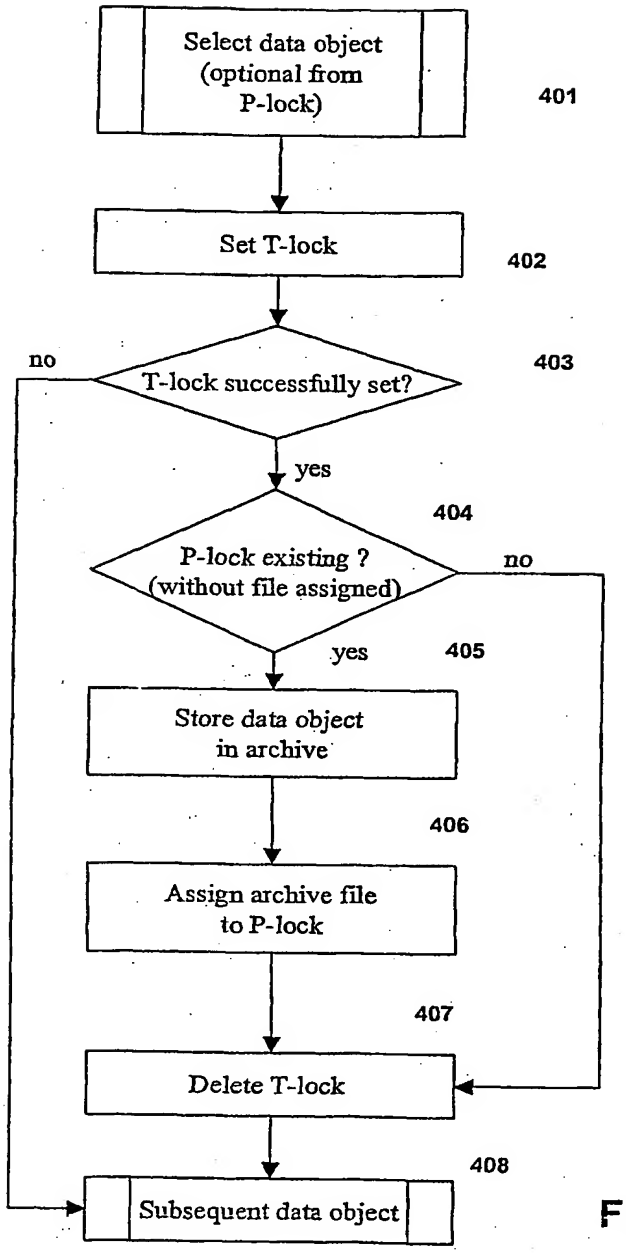
Select data object (optional from P-lock)
401
Set T-lock
402
T-lock successfully set?
403
no
yes
P-lock existing ? (without file assigned)
404
no
yes
405
Store data object in archive
406
Assign archive file to P-lock
407
Delete T-lock
408
Subsequent data object

Fig. 4

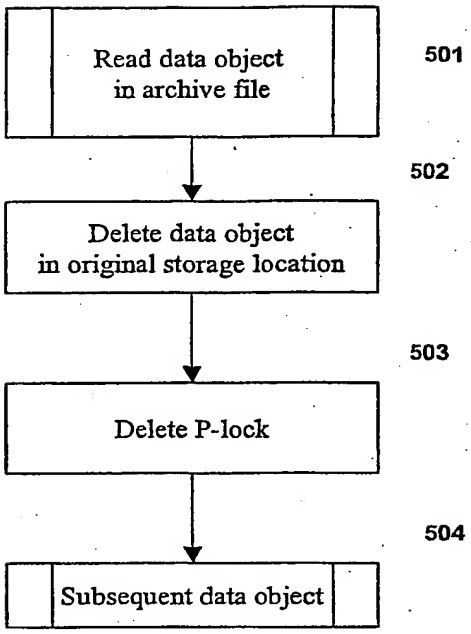
Read data object in archive file
501
502
Delete data object in original storage location
503
Delete P-lock
504
Subsequent data object

Fig. 5

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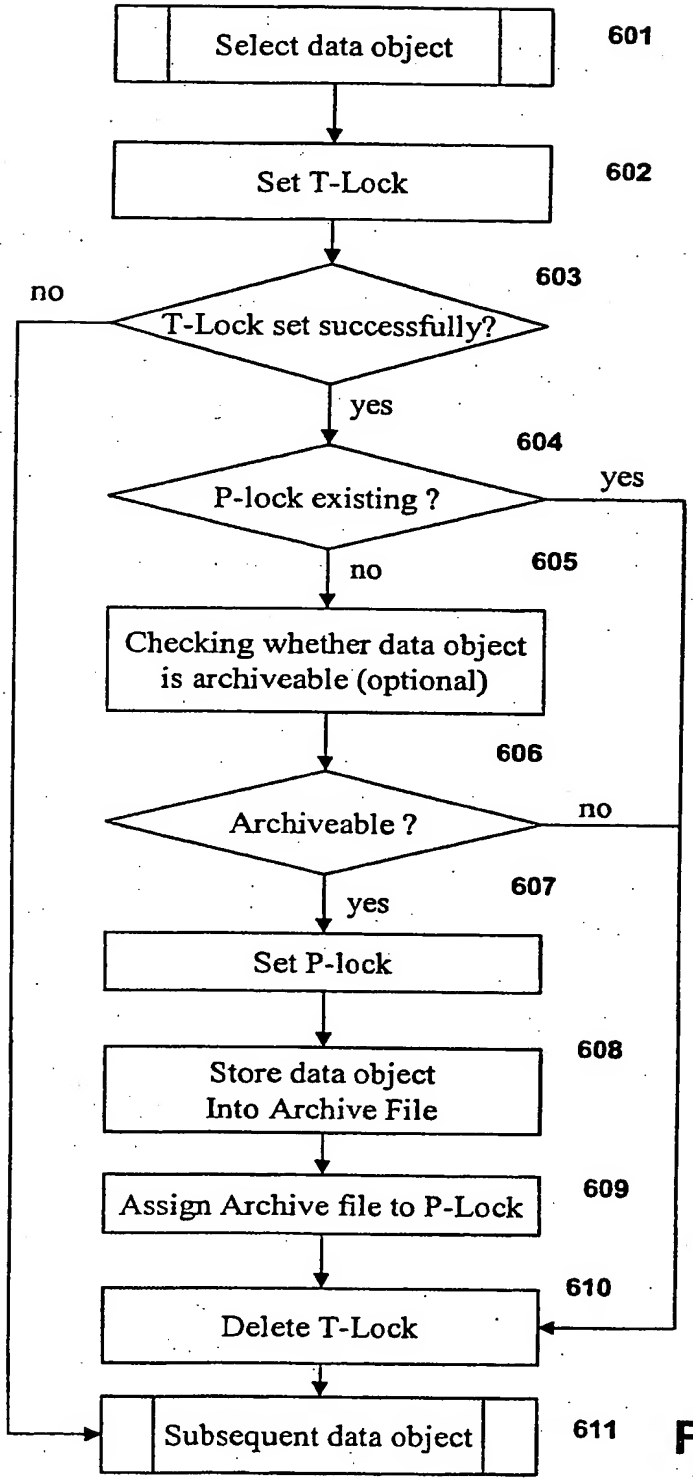

Fig. 6

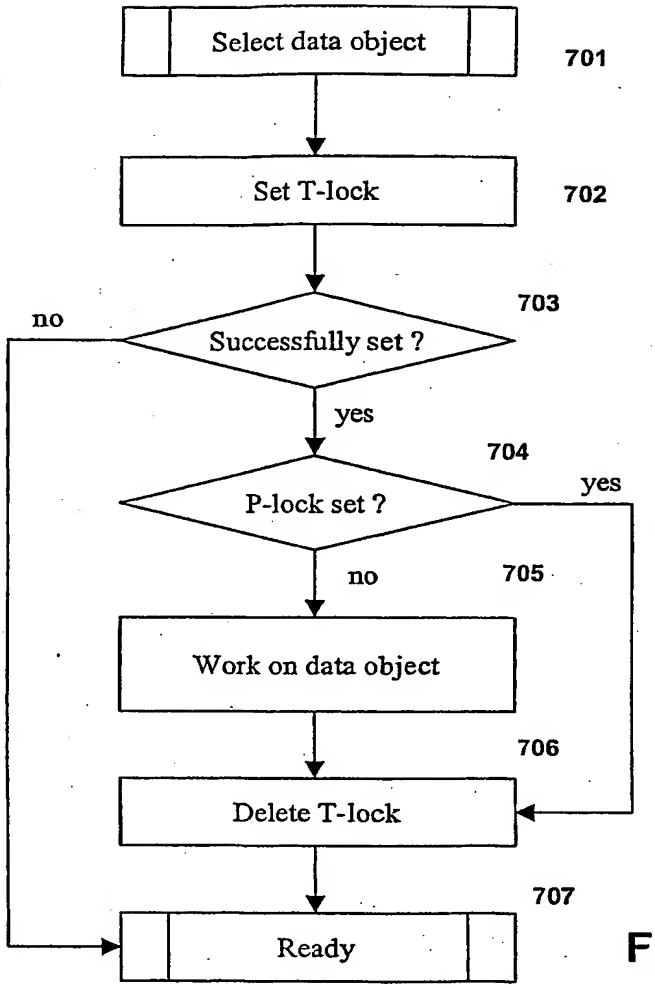
Select data object
701
Set T-lock
702
703
no
Successfully set ?
yes
704
yes
P-lock set ?
no
705
Work on data object
706
Delete T-lock
707
Ready

Fig. 7

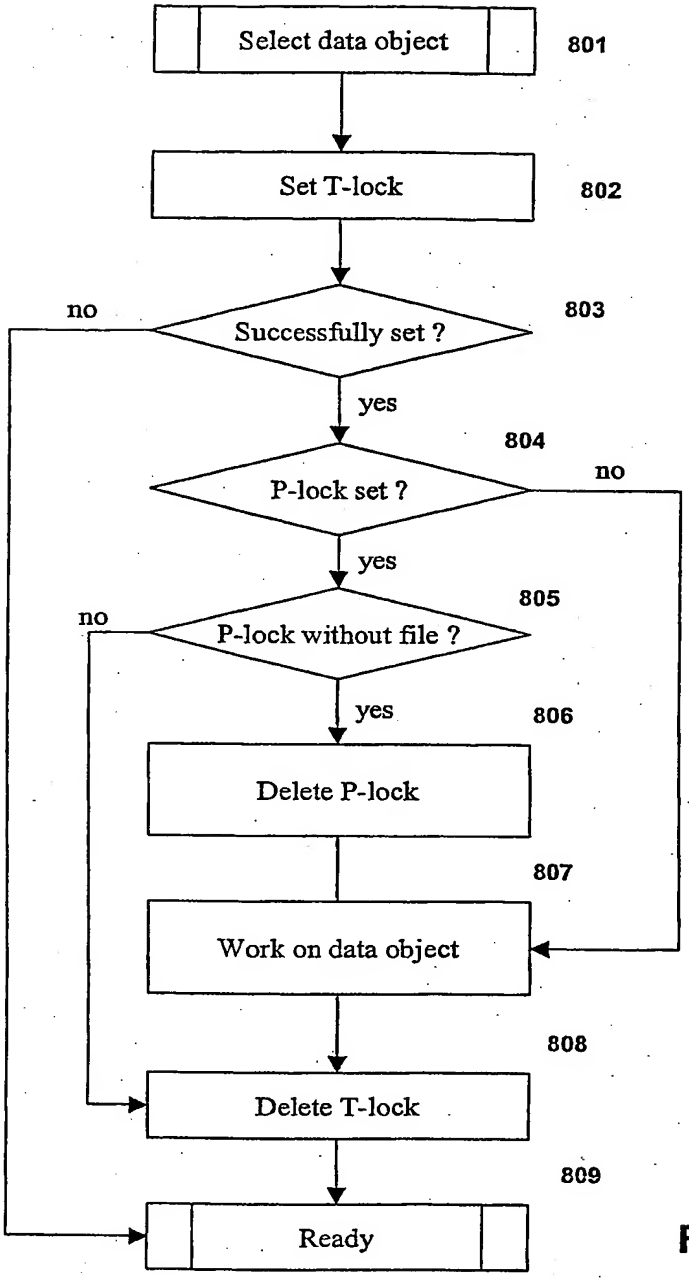
Select data object
801
Set T-lock
802
no
Successfully set ?
803
yes
804
P-lock set ?
no
yes
805
no
P-lock without file ?
yes
806
Delete P-lock
807
Work on data object
808
Delete T-lock
809
Ready

Fig. 8

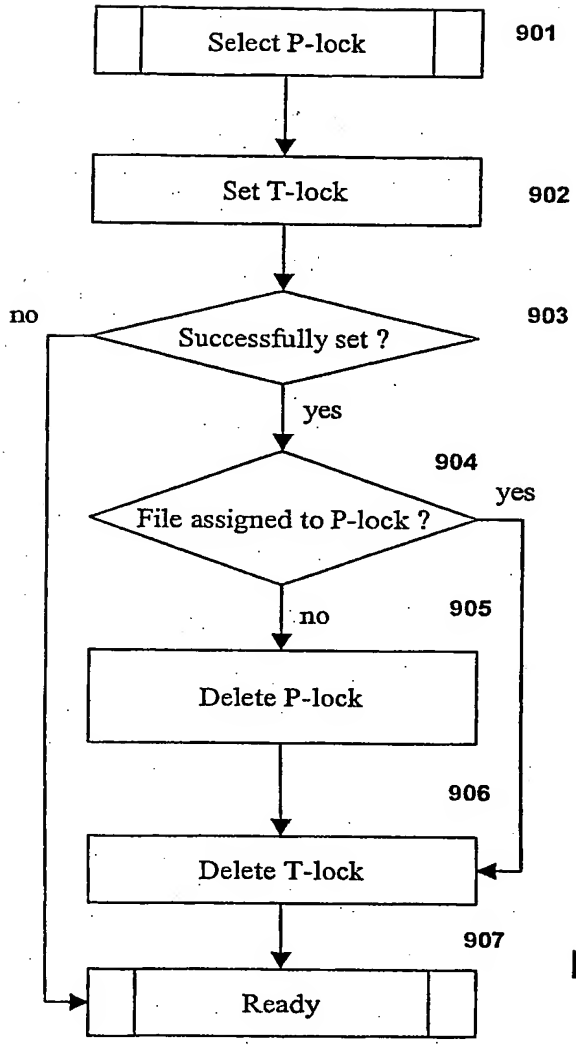
Select P-lock
901
Set T-lock
902
no
Successfully set ?
903
yes
904
File assigned to P-lock ?
yes
no
905
Delete P-lock
906
Delete T-lock
907
Ready

Fig. 9